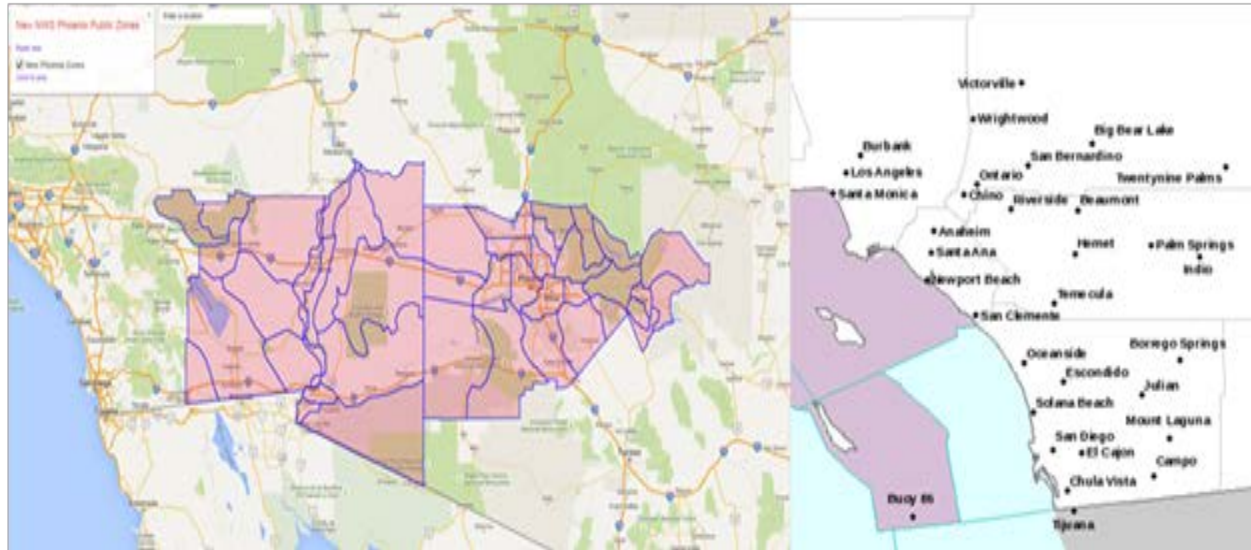


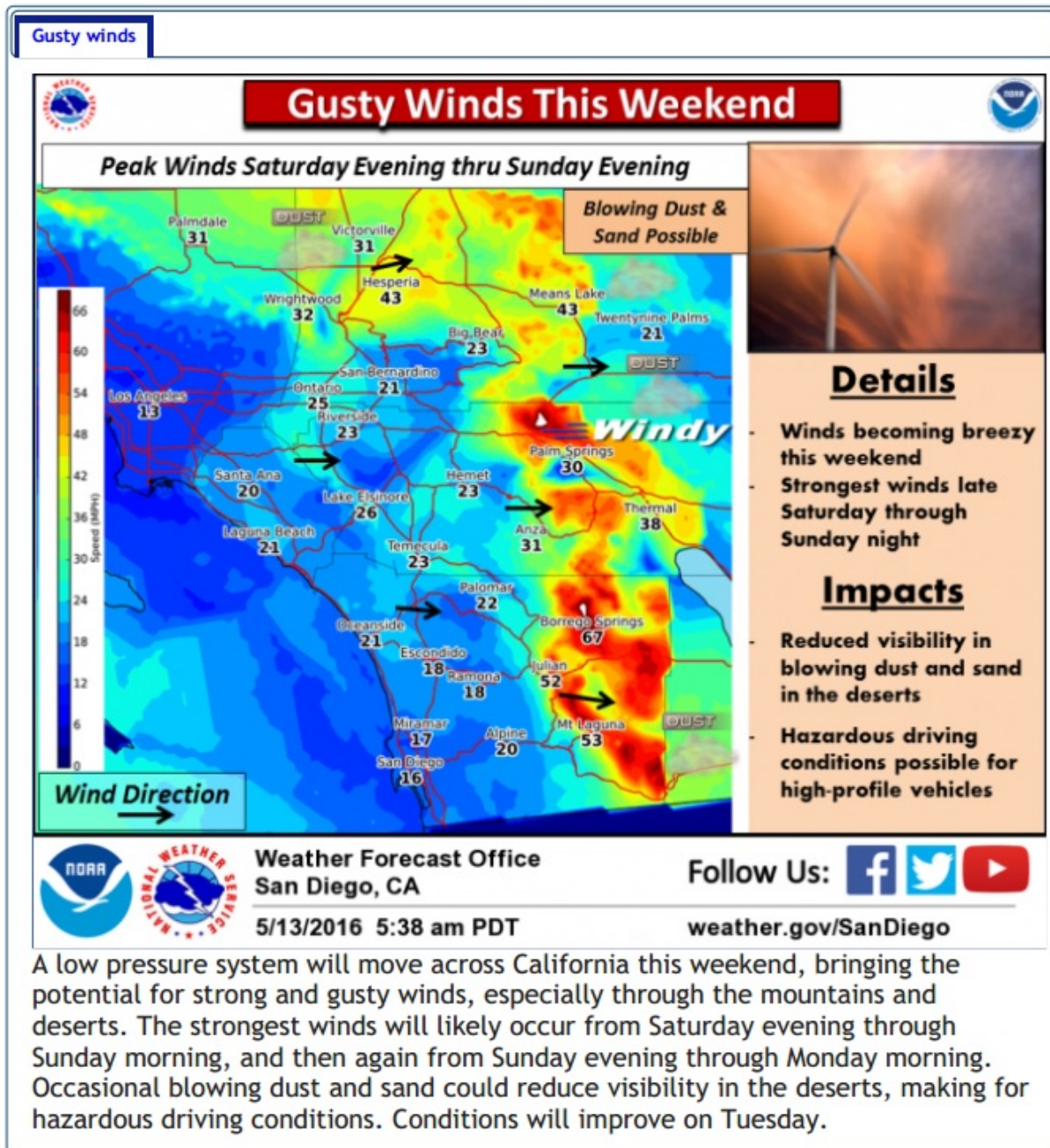
**Appendix A**  
**Public Notification that a potential event was occurring**  
**(40 CFR §50.14(c)(1))**

**FIGURE A-1**  
**NATIONAL WEATHER SERVICE PUBLIC ZONES**



**Fig A-1:** Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE A-2  
LOW PRESSURE SYSTEM TO BRING GUSTY WINDS



**Fig. A-2:** A Weather Story Forecast issued by the NWS San Diego office on May 13 forecasted a low pressure system bring gusty winds to the region by May 15. The ICAPCD posted this notice on its website. Source: NWS San Diego.

FIGURE A-3  
LOW APPROACHING REGION EXPECTED TO CREATE WINDS

**National Weather Service Forecast Office**  
**San Diego, CA**

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Precipitation  
Mapped Weather  
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Local Area  
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Aviation Weather  
Fire Weather  
Marine Weather  
Severe Weather  
Hurricane Center  
User Defined Area  
Travel  
Fastlinks

**Hydrology**  
Rivers and Lakes  
Forecasts / Obs

**Climate**  
Local  
National  
Drought  
More...  
Climate portal

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Preparedness  
Weather Radio  
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Items of Interest  
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Education Resources  
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FAQ

**Area Forecast Discussion**

• Go Back • Print Friendly • Version: **Latest** Older  • Font: A A A A •  
• Turn Dictionary Off • Product FAQ • **\*Active Weather Story\***

FXUS66 KSGX 131633  
AFDSGX

**AREA FORECAST DISCUSSION**  
National Weather Service San Diego CA  
933 AM PDT FRI MAY 13 2016

.SYNOPSIS...  
A deepening marine layer and slow cooling trend will develop through Sunday as a **trough** moves by to the north. Night and morning **low clouds** will cover the coast and valley areas this weekend, and occasional **drizzle** will be possible as well west of the mountains in the mornings. The **trough** will also create gusty westerly winds over the mountains and deserts from late Saturday through Monday morning. Slightly warmer by the middle of next week with temperatures near normal as high pressure aloft rebuilds across the region.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...  
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

At 9 AM PDT, water vapor satellite imagery displayed an upper-level **ridge** to our east and an upper-level low off the Northern CA coast with it's associated **trough** sagging south. Visible satellite showed marine layer **stratus** along the coast and over the coastal waters. The 13/1200 UTC KNKX sounding showed a 10 deg C marine layer inversion, which will likely make it difficult for the **stratus** to clear today along the beaches. Highs today will be slightly lower compared to yesterday as upper-level heights lower with the **ridge** pushing to the east.

Heights will continue to lower and onshore flow will strengthen through Sunday as the upper-level trough approaches the region. Increasing pressure gradients will strengthen westerly winds this weekend into early next week, creating gusts of 45-55 MPH and reduced visibility from blowing dust at times Sunday and Monday across portions of the mountains and deserts. The marine layer will become quite deep this weekend, pushing night/morning low clouds towards the coastal mountain slopes. Patchy drizzle is expected west of the mountains Sunday and Monday mornings. Inland high temperatures will lower to around 5 deg F below normal Sunday and Monday.

The 13/0600 UTC GFS and 13/0000 UTC ECMWF are now hinting at the aforementioned upper-level low digging south from NV to Western AZ Tuesday, which could generate weak offshore flow inland. Weak ridging will build over the region Wednesday and Thursday, creating a more shallow marine layer and a slight warming trend. Stronger onshore flow and a cooling trend may develop by the end of next week heights aloft lower due to an upper-level low approaching Northern CA.

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Government Made Easy

**Fig. A-3:** An Area Forecast Discussion issued May 13 forecasted an upper level trough passing to the north would create gusty winds on May 15. Blowing dust was also expected. Source: NWS San Diego.



**FIGURE A-4**  
**WIND ADVISORY IN EFFECT FOR SAN DIEGO COUNTY DESERTS**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 414 AM PDT SAT MAY 14 2016  
 ...GUSTY WEST WINDS IN THE DESERTS THIS WEEKEND...  
 .A LOW PRESSURE SYSTEM MOVING THROUGH THE PACIFIC NORTHWEST INTO  
 THE NORTHERN ROCKIES WILL BRING STRONGER ONSHORE FLOW ACROSS  
 SOUTHERN CALIFORNIA THIS WEEKEND WITH PERIODS OF GUSTY WEST WINDS  
 IN THE DESERTS. THE STRONGEST WINDS ARE EXPECTED FOR LATE SUNDAY  
 AFTERNOON THROUGH LATE SUNDAY NIGHT.  
 CAZ062-065-142130-  
 /O.NEW.KSGX.WI.Y.0029.160515T0100Z-160515T1000Z/  
 SAN DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNINGINCLUDING THE CITIES  
 OF...BORREGO SPRINGS...DESERT HOT SPRINGS  
 414 AM PDT SAT MAY 14 2016  
 ...WIND ADVISORY IN EFFECT FROM 6 PM THIS EVENING TO 3 AM PDT  
 SUNDAY...  
 THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND  
 ADVISORY...WHICH IS IN EFFECT FROM 6 PM THIS EVENING TO 3 AM PDT  
 SUNDAY.  
 \* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH.  
 ISOLATED GUSTS TO 55 MPH.  
 \* TIMING...WINDS STRENGTHENING DURING THE LATE AFTERNOON AND EARLY  
 EVENING...THEN WEAKENING SOME LATE TONIGHT.  
 \* VISIBILITY...REDUCED AT TIMES IN BLOWING SAND AND BLOWING DUST.  
 \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR  
 MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND  
 SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.

**Fig. A-4:** A low pressure system moving through the region created conditions conducive to a strong onshore flow and gusty winds. The NWS Dan Diego office issued a Wind Advisory on May 14 that included the San Diego County deserts. Blowing dust and sand was expected. This area was immediately upstream to Imperial County during the May 15 wind event. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201605141114>.

**FIGURE A-5**  
**GUSTY WEST WINDS EXPECTED**

**Your Severe Weather Watches and Warnings**

**Coachella, CA**  
[Your Radar](#) | [Current Conditions](#) | [15-Day Forecast](#)

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 103 PM PDT SAT MAY 14 2016

**...GUSTY WEST WINDS IN THE DESERTS THROUGH SUNDAY NIGHT...**

A LOW PRESSURE SYSTEM MOVING THROUGH THE PACIFIC NORTHWEST INTO THE NORTHERN ROCKIES WILL BRING STRONGER ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA THIS WEEKEND WITH PERIODS OF STRONG AND GUSTY WEST WINDS IN THE DESERTS. THE STRONGEST AND MOST WIDESPREAD WINDS ARE EXPECTED FOR LATE SUNDAY AFTERNOON THROUGH LATE SUNDAY NIGHT.  
 ...WIND ADVISORY IN EFFECT FROM 6 PM THIS EVENING TO 5 AM PDT MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM 6 PM THIS EVENING TO 5 AM PDT MONDAY.

**\* WINDS...AREAS OF WEST TO NORTHWEST WINDS 15 TO 30 MPH WITH GUSTS TO 45 MPH.**

\* TIMING...WINDS STRENGTHENING THIS EVENING...WEAKENING EARLY SUNDAY MORNING...THEN STRENGTHENING AGAIN LATE SUNDAY AFTERNOON.

**\* VISIBILITY...REDUCED AT TIMES IN BLOWING SAND AND BLOWING DUST.**

\* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

&&  
 HARRISON

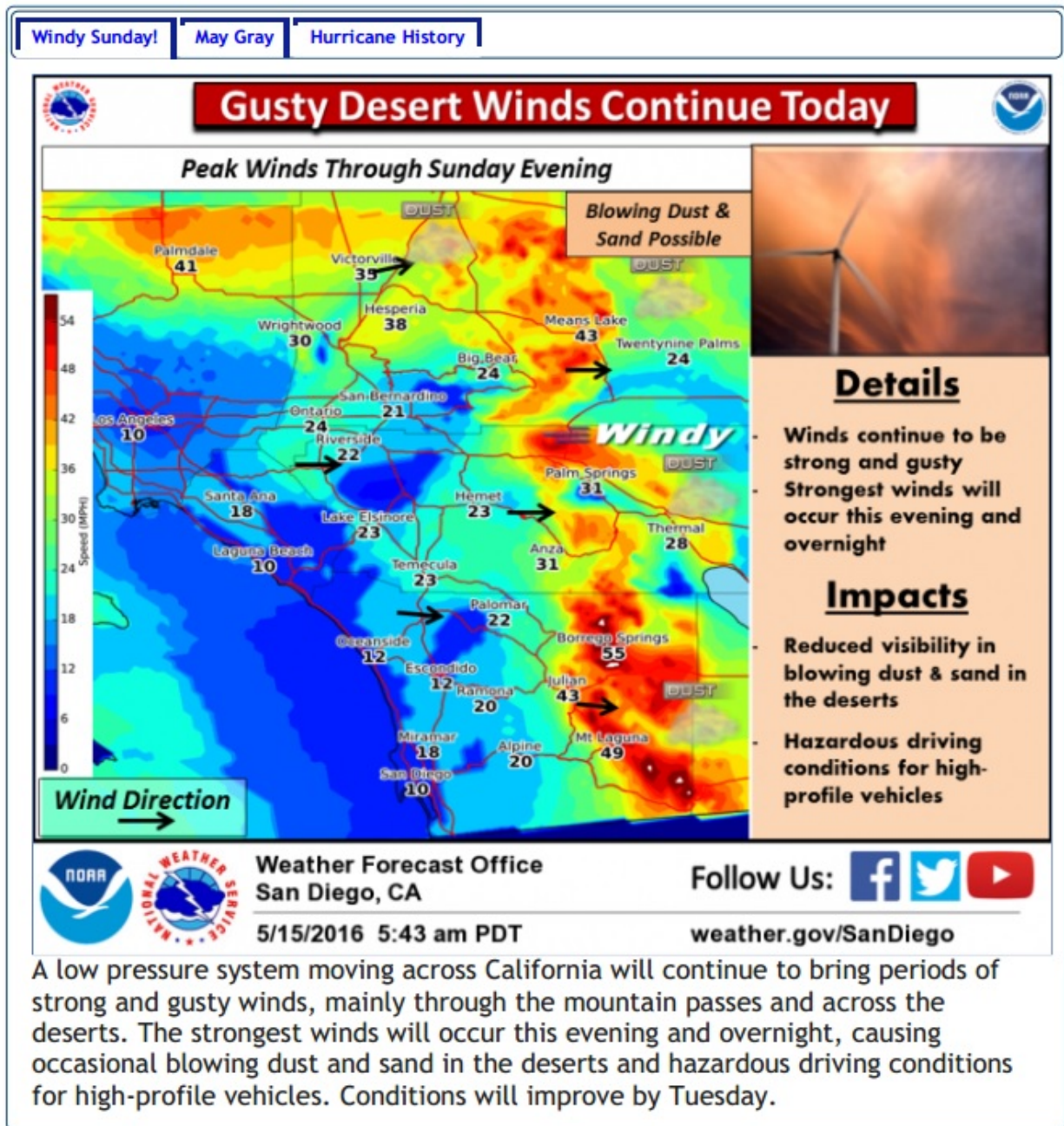
**Fig. A-5:** On May 14 the NWS was forecasting gusty winds in the deserts on May 15 with the possibility of blowing dust and sand. Source: NWS/Accuweather.

**FIGURE A-6**  
**ZONE FORECAST FOR IMPERIAL COUNTY**

CAZ033-152300-  
IMPERIAL COUNTY INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...  
IMPERIAL...THE SALTON SEA  
158 AM PDT SUN MAY 15 2016  
6/6/2017 IEM :: ZFP from NWS PSR  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201605150858> 6/6  
.TODAY...SUNNY AND WINDY. NOT AS WARM. HIGHS 87 TO 92. **WEST WIND 5 TO 10 MPH IN THE MORNING INCREASING TO 15 TO 25 MPH IN THE AFTERNOON. GUSTS UP TO 35 MPH IN THE AFTERNOON.**  
.TONIGHT...CLEAR AND WINDY. LOWS 56 TO 66. **WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH IN THE EVENING.**  
.MONDAY...SUNNY. HIGHS 88 TO 93. SOUTHWEST WIND 10 TO 15 MPH.  
.MONDAY NIGHT...CLEAR. LOWS 57 TO 67. SOUTHWEST WIND 5 TO 15 MPH.  
.TUESDAY...MOSTLY SUNNY IN THE MORNING...THEN BECOMING PARTLY SUNNY. HIGHS 89 TO 94. SOUTH WIND 5 TO 10 MPH.

**Fig. A-6:** A Zone Forecast for Imperial County called for winds up to 25 mph with gusts to 35 mph by the afternoon. Winds and gusts were actually higher. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201605150858>.

FIGURE A-7  
LOW PRESSURE SYSTEM BRINGS GUSTY WINDS



**Fig. A-7:** A Weather Story issued by the NWS San Diego office forecasted that the low pressure system moving through the region would create gusty winds and blowing dust.  
Source: NWS San Diego.



FIGURE A-8  
WIND ADVISORY REMAINS IN EFFECT

**National Weather Service Forecast Office**  
**San Diego, CA**

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Get Local Forecast for:  
Enter location:  GO  
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**Non-precipitation Warnings, Watches, Advisories**

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WMJ576 KSGX 151953  
NPM5GX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
1253 PM PDT SUN MAY 15 2016

...GUSTY WEST WINDS IN THE DESERTS THROUGH TONIGHT...

A LOW PRESSURE SYSTEM OVER THE NORTHERN ROCKIES WILL MAINTAIN STRONGER ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA WITH PERIODS OF STRONG AND GUSTY WEST WINDS IN THE DESERTS THROUGH LATE TONIGHT...WITH STRONGEST WINDS OCCURRING THIS EVENING. WINDS WILL DIMINISH MONDAY MORNING.

CAZ060>062-065-160500-  
/O.CON.KSGX.WI.Y.0029.00000T0000Z-160516T1200Z/  
APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-  
SAN DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNING-  
INCLUDING THE CITIES OF...HESPERIA...APPLE VALLEY...INDIO...  
LA QUINTA...COACHELLA...BORREGO SPRINGS...DESERT HOT SPRINGS  
1253 PM PDT SUN MAY 15 2016

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT MONDAY...

- \* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 50 MPH. ISOLATED GUSTS TO 60 MPH.
- \* TIMING...WINDS STRENGTHENING AGAIN LATE THIS AFTERNOON THROUGH LATE TONIGHT WITH THE STRONGEST WINDS THIS EVENING.
- \* VISIBILITY...REDUCED AT TIMES IN BLOWING SAND AND BLOWING DUST.
- \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.
- \* REPORTS... MAX WIND GUSTS OBSERVED SINCE SATURDAY EVENING...  
WHITENATER RAWS...62 MPH AT 650 AM TODAY.  
WHITE WATER 2 S...50 MPH AT 1125 PM SATURDAY.  
THOUSAND PALMS...45 MPH AT 5 AM TODAY.  
VOLCAN MOUNTAIN...42 MPH AT 11 AM TODAY.  
PALM SPRINGS AIRPORT...41 MPH AT 6 PM SATURDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY FOR THE DESERTS MEANS THAT SUSTAINED WINDS OF 30 MPH AND GUSTS OF 45 TO 50 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE REDUCED VISIBILITY IN BLOWING DUST AND SAND. USE EXTRA CAUTION.

##  
\$\$

HARRISON

Webmaster  
US Dept of Commerce  
National Oceanic and Atmospheric Administration  
National Weather Service  
San Diego Weather Forecast Office  
11440 W. Bernardo Court, Suite 230  
San Diego, California 92127

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Organization

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**Fig. A-8:** At 12:58 p.m. on May 15 the Wind Advisory remained in effect for the San Diego desert area. This area served as an important upstream source during the May 15 wind event. The bottom red box highlights wind speeds across the region. Source: NWS San Diego.



**FIGURE A-9**  
**WIND ADVISORY REMAINS IN EFFECT – HIGH WINDS REPORTED**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 921 PM PDT SUN MAY 15 2016  
 ...GUSTY WEST WINDS IN THE DESERTS THROUGH TONIGHT...  
 .A LOW PRESSURE SYSTEM OVER THE NORTHERN ROCKIES WILL MAINTAIN  
 STRONGER ONSHORE FLOW ACROSS SOUTHERN CALIFORNIA WITH PERIODS OF  
 STRONG AND GUSTY WEST WINDS IN THE DESERTS THROUGH LATE TONIGHT.  
 WINDS WILL DIMINISH MONDAY MORNING.  
 CAZ060>062-065-161200-  
 /O.CON.KSGX.WI.Y.0029.000000T0000Z-160516T1200Z/  
 APPLE AND LUCERNE VALLEYS-COACHELLA VALLEYSAN DIEGO COUNTY DESERTS-SAN  
 GORGONIO PASS NEAR BANNINGINCLUDING THE CITIES OF...HESPERIA...APPLE  
 VALLEY...INDIO...  
 LA QUINTA...COACHELLA...BORREGO SPRINGS...DESERT HOT SPRINGS  
 921 PM PDT SUN MAY 15 2016  
 ...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 AM PDT MONDAY...  
 \* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 50 MPH.  
 ISOLATED GUSTS TO 60 MPH.  
 \* TIMING...THROUGH LATE TONIGHT.  
 \* VISIBILITY...REDUCED AT TIMES IN BLOWING SAND AND BLOWING DUST.  
 \* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY  
 FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING  
 DUST AND SAND COULD LOCALLY REDUCE VISIBILITY AT TIMES.  
 \* REPORTS... SOME MAX WIND GUSTS OBSERVED TODAY... WHITEWATER  
 RAWS...65 MPH AT 650 PM. MOUNTAIN SPRINGS GRADE...58 MPH AT 5  
 AM. DESERT HOT SPRINGS...50 MPH AT 8 PM. VOLCAN MOUNTAIN...49  
 MPH AT 7 PM. PALM SPRINGS AIRPORT...40 MPH AT 5 PM.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY FOR THE DESERTS MEANS THAT SUSTAINED WINDS OF  
 30 MPH AND GUSTS OF 45 TO 50 MPH ARE EXPECTED. WINDS THIS STRONG  
 CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE  
 VEHICLES...AND ALSO CAUSE REDUCED VISIBILITY IN BLOWING DUST AND  
 SAND. USE EXTRA CAUTION.

**Fig. A-9:** As late as 9:21 p.m. on May 15 the gusty winds were continuing in the desert. High winds speeds were reported over a wide area (bottom highlighted portion of notice). Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201605160421>.

### FIGURE A-10 HIGH WINDS REPORTED OVER A REGIONAL AREA

PUBLIC INFORMATION STATEMENT  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 919 PM PDT SUN MAY 15 2016  
 ...HIGHEST WIND REPORTS SINCE SATURDAY...  
 LOCATION SPEED TIME/DATE ELEVATION  
 ...VICTOR VALLEY - APPLE VALLEY - LUCERNE VALLEY - JOHNSON VALLEY...  
 MOUNTAIN VIEW ACRES (3 W) 37 MPH 1418 PM 05/14 3164 FT.  
 VICTORVILLE AIRPORT 36 MPH 1735 PM 05/15 2884 FT.  
 VICTORVILLE (5 N) 35 MPH 2125 PM 05/13 4650 FT.  
 ...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE  
 CLEVELAND NATIONAL FOREST...  
 CASE SPRINGS 35 MPH 0722 AM 05/15 2319 FT.  
 ...SAN GORGONIO PASS NEAR BANNING...  
 WHITEWATER RAWS 65 MPH 1850 PM 05/15 2546 FT.  
 WHITE WATER (2 S) 50 MPH 2325 PM 05/14 1133 FT.  
 5 N THOUSAND PALMS 37 MPH 1753 PM 05/14 1066 FT.  
 2 WNW CABAZON 35 MPH 1414 PM 05/14 2154 FT.  
 ...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO  
 RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST...  
 MOUNT LAGUNA 51 MPH 2045 PM 05/15 6300 FT.  
 2 NNE JULIAN 49 MPH 1920 PM 05/15 5154 FT.  
 HARRISON PARK 40 MPH 1730 PM 05/15 4861 FT.  
 BOULEVARD WEST 39 MPH 1700 PM 05/15 3404 FT.  
 RANCHITA 37 MPH 0730 AM 05/15 4128 FT.  
 ...SAN DIEGO COUNTY DESERTS-INCLUDING THE ANZA BORREGO DESERT STATE PARK...  
 OCOTILLO WELLS 46 MPH 1801 PM 05/15 436 FT.  
 IN KO PAH 41 MPH 1630 PM 05/15 3221 FT.  
 5 ESE BORREGO SPRINGS 37 MPH 1202 PM 05/15 587 FT.  
 BORREGO SPRINGS (9 S) 35 MPH 0620 AM 05/15 768 FT.  
 ...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT  
 COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...  
 BURNS CANYON 41 MPH 1751 PM 05/14 6284 FT.  
 ...RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT  
 OF THE SAN BERNARDINO NATIONAL FOREST...  
 PINYON 37 MPH 1936 PM 05/15 4060 FT.  
 ...COACHELLA VALLEY-INCLUDING THE PALM SPRINGS SOUTH COAST DESERT DISTRICT...  
 THOUSAND PALMS 47 MPH 2045 PM 05/15 272 FT.  
 PALM SPRINGS AIRPORT 41 MPH 1838 PM 05/14 474 FT.  
 THERMAL AIRPORT 39 MPH 2223 PM 05/14 -118 FT.  
 5 NE THOUSAND PALMS 38 MPH 0401 AM 05/15 1089 FT.  
 INDIO (1 S) 37 MPH 1745 PM 05/15 26 FT.  
 COACHELLA 36 MPH 2056 PM 05/14 110 FT.  
 OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING  
 EQUIPMENT AND EXPOSURES. NOT ALL DATA LISTED ARE CONSIDERED OFFICIAL.  
 NWS SAN DIEGO CA

**Fig. A-10:** High winds were reported over a wide region, including the San Diego County deserts immediately upstream from Imperial County. Source: NWS San Diego/Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=PNSSGX&e=201605160419>.

**FIGURE A-11**  
**BLOWING DUST/SAND OVER IMPERIAL COUNTY**

Sunday, May 15, 2016

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE  
IMAGERY

THROUGH 0230Z May 16, 2016

DUST:

Arizona:

A small light density blowing sand/dust plume was seen traveling to the northeast from the Willcox Playa in southeast Arizona. This plume of blowing sand extended across the New Mexico/Arizona border into Hidalgo county.

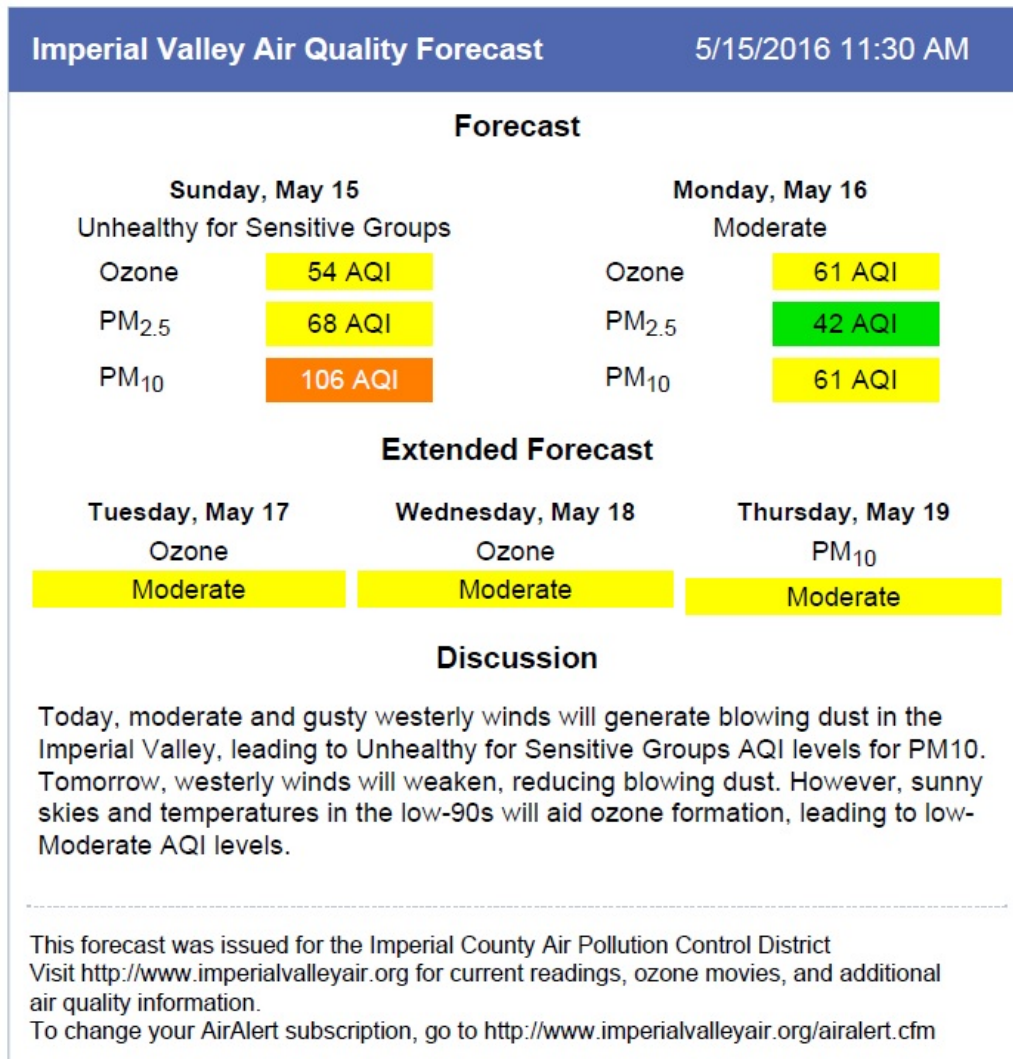
California:

An area of light density blowing sand/dust was seen moving eastward from the Anza-Borrego Desert State Park across the Salton Sea into southwest Arizona.

**Fig. A-11:** NOAA's Satellite Service Division Smoke Text Product identified blowing dust/sand coming from the Anza Borrego Desert State Park area and moving across the Salton Sea. Niland would have been roughly in the path of this dust plume. Source: <http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2016/2016E160334.html>.



**FIGURE A-12**  
**AIR QUALITY FORECAST – UNHEALTHY FOR SENSITIVE GROUPS**



**Fig. A-12:** The ICAPCD posted on its website an Air Quality Forecast that noted gusty winds would generate blowing dust, leading to air Unhealthy for Sensitive Groups. Source: ICAPCD Archives.

**FIGURE A-13**  
**AIR QUALITY INDEX**

| Air Quality Index<br>Levels of Health<br>Concern | Numerical<br>Value | Meaning  |
|--|--------------------|--|
| Good   | 0 to 50            | Air quality is considered satisfactory, and air pollution poses little or no risk.   |
| Moderate   | 51 to 100          | Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution. |
| Unhealthy for Sensitive Groups                   | 101 to 150         | Members of sensitive groups may experience health effects. The general public is not likely to be affected.  |
| Unhealthy  | 151 to 200         | Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.   |
| Very Unhealthy                                   | 201 to 300         | Health alert: everyone may experience more serious health effects.   |
| Hazardous  | 301 to 500         | Health warnings of emergency conditions. The entire population is more likely to be affected.  |

**Fig. A-13:** The Air Quality Index The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source: <https://airnow.gov/index.cfm?action=aqibasics.aqi>.

**FIGURE A-14**  
**IMPERIAL COUNTY ISSUES NO BURN DAY**

Imperial County Air Pollution Control District  
Daily Weather and Ag. Burning Information

Date: Sunday May 15 2016

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

| LOCAL TIME | TEMP °F | WINDS MILES PER HOUR | VISIBILITY MILES |
|------------|---------|----------------------|------------------|
| 7 AM       | 74      | ENE 5                | 10               |
| 8 AM       | 87      | CALM                 | 10               |
| 9 AM       | 87      | NE 3                 | 10               |
| 10 AM      | 91      | VRBL 3               | 10               |
| 11 AM      | 93      | E 7                  | 10               |
| NOON       | 94      | VRBL 5               | 10               |
| 1 PM       | 43      | VRBL 6               | 10               |
| 2 PM       | 99      | ENE 9                | 10               |
| 3 PM       | 102     | VRBL 31              | 10               |
| 4 PM       | 100     | VRBL 3               | 10               |
| 5 PM       | 99      | W 8                  | 10               |
| 6 PM       | 94      | WSW 10               | 10               |
| 7 PM       | 87      | W 7                  | 10               |

Max. Temperature yesterday was 102 degrees

Today's Mt. Signal Visibility at 7:30 AM YES NKX 12Z 500 MB Height \_\_\_\_\_  
1Y7 12Z 500 MB Height \_\_\_\_\_

**Forecasts**

**High Today** 91 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

|   |                        |                        |
|---|------------------------|------------------------|
| Est. Time Mixing Height reaches 3000 feet | _____                  | <b>9:00</b>            |
| Forecast of Maximum Mixing Height         | _____ feet             | <b>7,500</b> feet      |
| Forecast for Morning surface winds        | <b>W 5-10</b> mph      | <b>W 5-10</b> mph      |
| Forecast for afternoon surface winds      | <b>W 15-25 G35</b> mph | <b>W 15-25 G35</b> mph |
| Forecast for evening surface winds        | <b>W 15-25 G35</b> mph |                        |
| Forecast 10 AM - 3 PM transport winds     | <b>W 5-15</b> mph      |                        |

Comments/Complaints: \_\_\_\_\_

\_\_\_\_\_

Burn Hours \_\_\_\_\_ ARB No Burn Day \_\_\_\_\_ District called No Burn Day YES

Total actually burned today \_\_\_\_\_ acres Crops burned \_\_\_\_\_

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int \_\_\_\_\_

**Fig A-14:** A copy of the Imperial County Air Pollution Control District official record of the conditions on May 15, 2016. A No Burn Day was declared. Source: ICAPCD Archives



**FIGURE A-15**  
**IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE**

**AFFIDAVIT OF PUBLICATION**  
**(2015.5 C.C.P.)**

**STATE OF CALIFORNIA**

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk\* of the printer of the

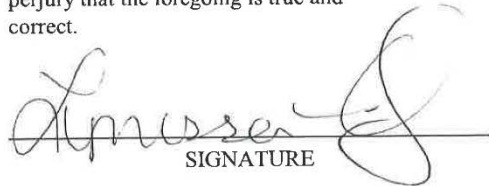
Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

01/10.

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

  
 SIGNATURE

Name of Account: I C AIR POLLUTION  
 CONTROL  
 Order Number: 11136200  
 Ad Number: 31356303

\* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 10 th day of January, 2018.  
 at El Centro, California.

This space is for the County Clerk's Filing Stamp:

**NOTICE OF AVAILABILITY  
 OF THE DEMONSTRATION OF THE OCCURRENCE  
 OF 13 EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared 13 Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) represent the 13 Draft EE's.

| 2014   | 2016   | 2016  |
|--|--|---|
| April 12-13<br>Niland<br>Brawley   | March 6<br>Brawley<br>Westmorland  | April 22<br>Westmorland<br>Brawley  |
| FEM 167.5 ug/m <sup>3</sup><br>FEM 166.8 ug/m <sup>3</sup>   | FEM 237 ug/m <sup>3</sup><br>FEM 220 ug/m <sup>3</sup>   | FEM 192 ug/m <sup>3</sup><br>FEM 242 ug/m <sup>3</sup>  |
| April 25-26<br>Brawley<br>Brawley  | March 11<br>Brawley<br>Westmorland   | April 24-25<br>Brawley<br>Brawley<br>Westmorland<br>Brawley<br>Calexico<br>Niland<br>Westmorland  |
| FEM 183.4 ug/m <sup>3</sup><br>FEM 313.3 ug/m <sup>3</sup>   | FEM 178 ug/m <sup>3</sup><br>FEM 179 ug/m <sup>3</sup>   | FEM 186 ug/m <sup>3</sup><br>FEM 218 ug/m <sup>3</sup><br>FEM 177 ug/m <sup>3</sup><br>FEM 285 ug/m <sup>3</sup><br>FEM 173 ug/m <sup>3</sup><br>FEM 225 ug/m <sup>3</sup><br>FEM 244 ug/m <sup>3</sup> |
| May 5-6<br>Brawley<br>Brawley<br>Westmorland<br>Brawley  | March 28<br>Brawley<br>El Centro<br>Niland<br>Westmorland  | May 5<br>Brawley<br>Niland<br>Westmorland   |
| FRM 269 ug/m <sup>3</sup><br>FEM 222.5 ug/m <sup>3</sup><br>FEM 373 ug/m <sup>3</sup><br>FEM 439.3 ug/m <sup>3</sup> | FEM 334 ug/m <sup>3</sup><br>FEM 385 ug/m <sup>3</sup><br>FEM 334 ug/m <sup>3</sup><br>FEM 465 ug/m <sup>3</sup> | FEM 163 ug/m <sup>3</sup><br>FEM 172 ug/m <sup>3</sup><br>FEM 227 ug/m <sup>3</sup>   |
| May 11<br>Niland   | April 14<br>Niland<br>Westmorland<br>Brawley   | May 15<br>Niland  |
| FEM 172.8 ug/m <sup>3</sup>  | FEM 172.8 ug/m <sup>3</sup><br>FEM 163 ug/m <sup>3</sup><br>FEM 228 ug/m <sup>3</sup>                            | FEM 216 ug/m <sup>3</sup>   |
| June 30<br>Niland  |  |   |
| FEM 183.7 ug/m <sup>3</sup>  |  |   |

The public and all interested parties are encouraged to review and comment on the 13 Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014, 2015 and 2016 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting Riverside, Imperial and San Diego counties. The 13 Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is February 12, 2018 by close of business.

The 13 Draft EE's for days listed above are available for download at the Air District website: [www.co.imperial.ca.us](http://www.co.imperial.ca.us), under "Air Pollution". To view a hard copy of any of the 13 Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

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**Fig A-15:** Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for May 15, 2016. The date for closing comments was February 12, 2018

**FIGURE A-22**  
**IMPERIAL COUNTY COMMENTS**  
**REGARDING THE MAY 15, 2016 EE DEMONSTRATIONS**

The ICAPCD received no comment